

Conference Announcements

1999 AIChE Annual Meeting

Dallas, Texas, October 31 – November 5, 1999

Life Cycle Analysis for Pollution Prevention in Chemical Processes

Sponsored by Group 9 – Environmental Division

Life Cycle Analysis (LCA) is a framework for assessing the environmental performance of chemicals, manufactured products, and chemical processes. LCA takes into account waste generation and release, impact assessment of those releases, and therefore helps identify/target strategies for improvement. Papers dealing with fundamental and/or applied aspects of Life Cycle Analysis, particularly in the context of chemical process source reduction, are invited. Typical research areas include but are not limited to:

1. Applications of LCA, "LCA Thinking", Design For Environment or related I/O analysis for the following: materials substitution in chemical processes, new chemistries and catalysts, waste recovery and recycle strategies, technology selection, process optimization and the development of design guidelines.

2. Evaluation of the accuracy of inventory methods for waste generation and release.
3. Fundamental research toward the development of suitable performance metrics of environmental and human health impact.
4. The development of normalization and valuation techniques for the chemical process industries.

The deadline for submission of abstracts for oral presentation of the research has been May 1, 1999. If you have any questions about this session, please contact either the chair or the co-chair at the address below.

Chair:

David W. Pennington, ORISE Research Fellow
National Risk Management Research Laboratory
U.S. Environmental Protection Agency
26 West Martin Luther King Drive, MS466
Cincinnati, Ohio 45268
Phone: (513)-569-7618; Fax: (513)-569-7111
pennington.david@epamail.epa.gov

Co-Chair:

David R. Shonnard
Dept. of Chemical Engineering
Michigan Technological University
Houghton, MI 49931
Phone: (906)-487-3468
Fax: (906)-487-3213
drshonna@mtu.edu

Conference Announcements

1999 SETAC NA Annual Meeting

Philadelphia, PA, November 14 - 18, 1999

LCA is back to the SETAC NA annual meeting! This year, there will be a wide range of LCA related activities at the annual meeting of SETAC. This conference will be held in Philadelphia on November 22 to 25, 1999. Ed Price of 3M and Edgar Hertwich (<http://greenmfg.me.berkeley.edu/~edgar/>) of the University of California, Berkeley, are organizing two platform sessions and a poster session. One platform session will focus on the application of LCA. We expect interesting case studies that apply new methods, investigate interesting products or yielded surprising results. A second platform session will focus on method development. Important new developments in impact assessment, streamlining, and the use of input/output modeling in the inventory analysis offer exciting prospects. In addition, Ken Humphrey of Battelle Institute (<http://www.esrd.battelle.org/sehsm/lca/>) is organizing a platform session on LCA Data Quality

and Uncertainty Analysis that will also address international efforts to harmonize data formats. We would like to encourage you to come to Philadelphia and share your LCA experience with us. In addition to the platform sessions, there will be an LCA poster session and a session on product related environmental assessment, organized by Mary Ann Curran (EPA-ORD) and Greg Biddinger (Exxon). You might also enjoy to participate in other LCA related activities such as the meeting of the LCA advisory group or a review of impact assessment methodology (fate and transport, human and ecological toxicity) organized by the second SETAC-Europe working group on impact assessment in cooperation with Jane Bare (EPA-ORD) and the SETAC advisory group on multimedia fate modelling. A conference invitation can be found at SETAC's web page (<http://www.setac.org/philly.html>)

Edgar Hertwich, Energy & Resources Group, UC Berkeley, 310 Barrows Hall, office: 775 University Hall, Berkeley, CA 94720-3050, USA; +1-510-642-8853 (work); +1-510-642-5815 (fax); e-mail: hertwich@socrates.berkeley.edu <http://greenmfg.me.berkeley.edu/~edgar/>